

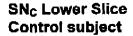
Upper Silice Late Stage PD

SNc showing severe signal loss

P2

PAGE 31/38 * RCVD AT 12/3/2007 6:23:32 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-6/5 * DNIS:2738300 * CSID:+212 391 0631 * DURATION (mm-ss):04-54

SNc Upper Slice Control subject











SN_C Upper Slice PD Patient 1

SN_c Lower Slice PD Patient 1









SN_C Upper Slice PD Patient 2

SN_C Lower Slice PD Patient 2









Ratio images of the substantia nigra pars compacta (SN_c) after automated segmentation of the WMS images of the cerebral peduncle.

Progressive Supranuclear Palsy (PSP)



Upper (WMS / GMS)
Ratio Image







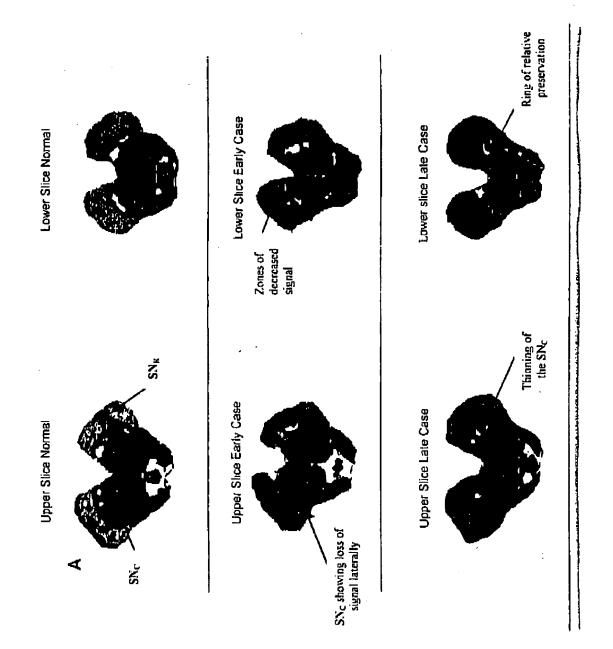
Lower (WMS / GMS)
Ratio Image







Imaging of the substantia nigra pars compacta (SN_C) in Progressive Supranuclear Palsy (PSP). The left column shows the (WMS / GMS) ratio images of upper and lower slices and the right hand side displays the SN_C segmented from the WMS images of the cerebral peduncle. Images are displayed using the pseudo color lookup table on the right. Note that the gradient of signal is in the opposite direction to that seen in Parkinson's disease (i.e. there is relative loss of signal medially). This suggests the possibility of distinguishing the two forms of parkinsonism radiographically.



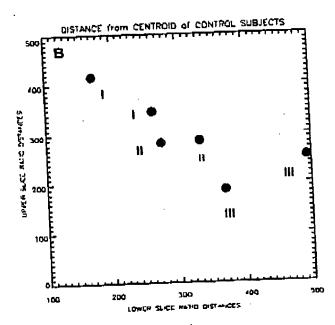


Fig. 5

what image of placencephalos

Whith constrain Pediuncie

GBS constrain Pediuncie

Fig. 6

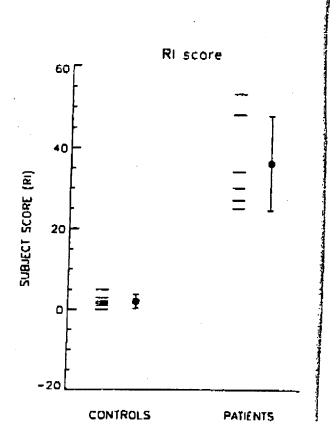


Fig. 7

Fig. 8